

AMENDMENTS TO THE CLAIMS

1. (canceled)
2. (currently amended) ~~A The process for preparing catalyst systems as claimed in claim 46, wherein a magnesium compound MgR^+ ₂ is used in step B)n is 2.~~
3. (currently amended) ~~A The process for preparing catalyst systems as claimed in claim 46, wherein the halogenating reagent used in step C) is chloroform.~~
4. (currently amended) ~~A The process for preparing catalyst systems as claimed in claim 46, wherein the inorganic metal oxide used in step A) is a silica gel.~~
5. (canceled)
6. (currently amended) A process for preparing catalyst systems ~~as claimed in claim 1 of the Ziegler Natta type~~, which comprises the following steps:
 - A) bringing an inorganic metal oxide into contact with a ~~tetravalent titanium compound~~titanium tetrachloride; and
 - B) bringing the intermediate obtained from step A) into contact with a magnesium compound $MgR^1_nX^1_{2-n}$, where X^1 are each, independently of one another, fluorine, chlorine, bromine, iodine, hydrogen, NR^X_2 , OR^X , SR^X , SO_3R^X or $OC(O)R^X$, and R^1 and R^X are each, independently of one another, a linear, branched or cyclic C_1-C_{20} -alkyl, a C_2-C_{10} -alkenyl, an alkylaryl having 1-10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part or a C_6-C_{18} -aryl and n is 1 or 2,
 - C) bringing the intermediate obtained from step B) into contact with a halogenating reagent of the formula $R^Y_s-E-Y_{4-s}$, where R^Y are each, independently of one another, hydrogen, a linear, branched or cyclic C_1-C_{20} -alkyl, a C_2-C_{10} -alkenyl, an alkylaryl having 1-10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part or a

C_6-C_{18} -aryl, E is carbon or silicon, Y is fluorine, chlorine, bromine or iodine and s is 0, 1, 2 or 3 when E is carbon and s is 1, 2 or 3 when E is silicon, and

D) ~~optionally~~ bringing the intermediate obtained from step C) into contact with a donor compound containing at least one nitrogen atom.

7. (canceled)

8. (currently amended) A catalyst system of the Ziegler-Natta type ~~which can be~~ prepared by ~~at~~ the process as claimed in claim ~~4~~6.

9. (currently amended) ~~A prepolymerized~~ The catalyst system comprising a catalyst system as claimed in claim ~~7 and 8~~, further comprising prepolymerized linear C_2-C_{10} -1-alkenes ~~polymerized onto it in a mass ratio of from 1:0.1 to 1:200~~.

10. (currently amended) A process for the polymerization or copolymerization of olefins at from 20 to 150°C and pressures of from 1 to 100 bar in the presence of at least one catalyst system as claimed in claim 8 and, ~~if appropriate~~ optionally, an aluminum compound as cocatalyst.

11. (currently amended) ~~A~~ The process for the polymerization or copolymerization of olefins as claimed in claim 10, wherein a trialkylaluminum compound whose alkyl groups each have from 1 to 15 carbon atoms is used as the aluminum compound.

12. (currently amended) ~~A~~ The process for the polymerization or copolymerization of olefins as claimed in claim 10, wherein ethylene or a mixture of ethylene and C_3-C_8 - α -monoolefins is (co)polymerized.

13. (canceled)